

DRAFT  
Comprehensive Plan Cost Comparison  
4/10/2017

	Cost to complete with contingency	2017	2018	2019	2020	2021	2022	2023	2024	Sum	RFP date	Start	Finish	NOTES
MassDEP Funding	\$ 1,000,000	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00				\$ 1,000,000.00				2014-2021 - ETD for 3 years - Needs verification from 3/9/17 meeting - based on EPA comment
USACE Funding	\$ 8,130,000.00	\$ 2,500,000.00	\$ 2,500,000.00	\$ 1,100,000.00	\$ 1,100,000.00	\$ 1,100,000.00				\$ 8,300,000.00				Per Corps - \$3.9M (2014-2016), 2.5M (2017-2018) \$1.1M/yr (2019 - 2021)
Pro-Serv Contract (WQM/Monit)	\$ 13,750,000.00	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,500,000.00				\$ 12,500,000.00				assumes \$2.5M/yr - cost provided by Corps
Intertidal	\$ -									\$ -				
UH Intertidal	\$ 53,533,440.00	\$ 12,000,000.00	\$ 41,533,440.00							\$ 53,533,440.00	12/1/2017	3/1/2018	6/1/2019	Assume work start in 3/18 and is fully funded and east and west sides w/ is simultaneously
Parcel 265	\$ -									\$ -				Not included in UAO estimate
PMC	\$ 9,117,194.90									\$ -				UAO included this with intertidal volume. CTC includes SES, T&D, sheetpile install
LH	\$ 3,933,127.58	\$ 2,933,127.58								\$ 2,933,127.58	7/1/2017	12/1/2017	6/1/2018	Estimate from Jacobs proposal dated May 17, 2016, added fee in Rev9
BIB	\$ -									\$ -				
Marsh Island	\$ 1,782,000.00	\$ 1,782,000.00	\$ 1,000,000.00							\$ 1,782,000.00	4/1/2017	8/1/2017	11/1/2017	1800 cubic yards and average cost for on shore and mechanical dredge (PMC). \$900/cy
Aerovox	\$ -									\$ -				
Aerovox Interim Cap	\$ 6,240,000.00	\$ 6,240,000.00								\$ 6,240,000.00	6/1/2017	11/1/2017	2/1/2018	Assumed 3 ft carbon sand cover (per Corps direction). Temporary solution does not complete final remedy.
Interim Cap LTM	\$ 900,000.00		\$ 180,000.00	\$ 180,000.00	\$ 180,000.00	\$ 180,000.00	\$ 180,000.00			\$ 900,000.00				Assumed annual benthic and sampling of cover and reporting. No replacement costs
Cells 1, 2, 3	\$ -									\$ -				
Cells 1, 2, 3 Interim Remedy	\$ 1,200,000.00		\$ 1,000,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00			\$ 1,200,000.00	1/1/2018	6/1/2018	6/1/2022	
Full Demob	\$ 7,810,370.47		\$ 650,000.00	\$ 6,500,000.00						\$ -				
								\$ 1,310,370.47		\$ 1,310,370.47				CTC from May 2016 Jacobs proposal. Contingency based upon undefined future status and necessary improvement of Areas C and D.
Dredge & Fill LHCC	\$ -									\$ -				
Construct CAD Cell	\$ -									\$ -				
Dredge and Fill LHCC - Jacobs	\$ -									\$ -				UAO costs for all work related to CAD Cell, less the \$9M from EPA HQ (need to verify if paid back)
UH & LH to LHCC Mechanical - Jacobs	\$ 8,643,329.71		\$ 8,643,329.71							\$ 8,643,329.71	2/18/2018	6/1/2018	10/29/2018	Jacobs LH dredging to date
Dredge and Fill LHCC - BV	\$ 16,700,000.00									\$ -	1/1/2017	6/1/2017	5/1/2018	One plant 120 days (existing UH CTC plus 37C&D, MU25, T&T), includes current Jacobs costs
Survey Contract - BV	\$ 700,000.00									\$ -		5/1/2017	5/1/2018	Per USACE Email (3/16/17) changed from \$18M to \$17M. Fixed Cost Contract estimate
Between the Bridges Subtidal	\$ 2,591,193.86		\$ 2,591,193.86							\$ 2,591,193.86	5/1/2018	9/30/2018	10/29/2018	Per USACE Email (3/16/17) changed from \$800k to \$700k. Based on award to Bryant
Dredge Cleanup Passes - Jacobs	\$ 1,870,000.00		\$ 1,870,000.00							\$ 1,870,000.00	2/1/2018	6/1/2018	6/1/2018	Negotiated and Awarded, added fee in Rev9
Cap LHCC	\$ 5,992,500.00			\$ 5,992,500.00						\$ 5,992,500.00	7/1/2019	11/1/2019	1/1/2020	10% cleanup passes, based on BV CTC
Hydraulic Dredging	\$ -									\$ -				Cost estimate from EPA
Temporary Pipeline Relo	\$ 235,859.00									\$ -				2014 through 2016 dredging less \$12M, PMC, Parcel 265 and fixed costs
Capping DDA	\$ -									\$ -				Negotiated and Awarded
Residual management sand	\$ 12,870,000.00		\$ 12,870,000.00							\$ 12,870,000.00	11/1/2018	3/1/2019	11/1/2019	Capping of DDA cost estimated from ESD 4
LHCC O&M	\$ 689,051.65				\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 400,000.00				This is an assumed volume of 100,000 cy
Seafloor Monitoring	\$ 579,289.63				\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 400,000.00				Cost to Complete is escalated UAO cost (3.5%)
Benthic Monitoring	\$ 972,362.34					\$ 486,181.17				\$ 486,181.17				Costs from MassDEP
Fixed Costs	\$ -									\$ -				Cost to Complete is escalated UAO cost (3.5%)
Project Management and Admin	\$ 6,661,263.50		\$ 2,000,000.00	\$ 2,000,000.00	\$ 1,000,000.00	\$ 661,263.50	\$ 500,000.00			\$ 6,161,263.50				Jacobs Fixed Costs,
Site Ops and Warehouse	\$ 4,645,980.00		\$ 900,000.00	\$ 900,000.00	\$ 900,000.00	\$ 450,000.00	\$ 450,000.00			\$ 3,600,000.00				
Air Monitoring	\$ 642,426.96		\$ 166,485.39	\$ 166,485.39	\$ 166,485.39	\$ 166,485.39				\$ 673,941.57				
SUBTOTAL	\$ 174,589,190.50													
SETTLEMENT AMOUNT	\$ -													Complete all work listed above.
INTEREST	\$ -													
AVAILABLE FOR FUTURE SUBTIDAL	\$ 77,851,888.16	\$ 56,430,000.00								\$ 56,430,000.00	5/1/2017	8/1/2017	12/31/2017	EPA assumption, correct interest rates and values to be provided, per EPA \$2M in avail. Funding but not in contingency.
SUBTIDAL CUBIC YARDS - HYBRID	\$ -	\$ 21,421,888.16								\$ 21,421,888.16	12/1/2017	3/1/2018	7/14/2018	Settlement less Subtotal of work listed above, Funds available to dredge subtidal areas
Aerovox Sediment Removal	\$ 27,940,861.47													\$418/CY Hybrid dredging, desanding, dewatering, and T&D
Capping DDA	\$ -													Included in Cells #123 Final Remedy.
Cells 1, 2, 3 Final Remedy - no mixed waste	\$ -													
Cells 1, 2, 3 Final Remedy	\$ 29,860,473.50													Includes \$1,781,530 to cap the DDA.